UNIVERSITY OF MARYLAND
COLLEGE OF COMPUTER, MATH, AND NATURAL SCIENCES
DEPARTMENT OF ENTOMOLOGY

POSITION ANNOUNCEMENT

Title: *Post-Doctoral Associate*
Category Status: *Faculty, Non-Tenured, Continuing Contract (12 month(s))*
Unit: *CMNS: Entomology*
Location: *College Park. MD*

Purpose:
Elucidate genotype-phenotype links underlying traits with the potential to impact disease transmission in insect vectors of disease.

Responsibilities:
The project involves the use of laboratory-reared and field-collected mosquito populations that exhibit divergent phenotypic traits. Quantitative and functional genomics approaches will be used to establish the underlying genetic architecture of these traits, and determine the degree to which these traits impact vector-borne disease transmission. The post-doc will provide leadership on the project through collaborative development & execution of experiments, collection & analysis of data, and communication of results in both oral (at conferences) and written (peer-reviewed journals) format. The post-doc will have the opportunity to mentor undergraduate researchers throughout the course of the project.

Qualifications:
Required– PhD. in Entomology, Biology, Genetics, or related fields. Candidates must have significant experience using standard molecular techniques (*i.e.* DNA isolation, PCR, gel electrophoresis) and conducting population & quantitative genetic analyses (*i.e.* population structure, measures of genetic diversity, linkage analysis).

Preferences:
Analysis of large genomic datasets, familiarity with the Linux command line, and use of R and/or Python.

Salary and Benefits:
Salary will be commensurate with experience and education. Appointment is annual for 2 years with renewal based on performance. The University of Maryland offers an extensive benefits package.

Application Process:
Please submit your completed application package to mfritz13@umd.edu, and include "Fritz Lab Post-doc Position" in the email title. A complete application packet includes: a cover letter describing research interests and goals, current CV, and contact information for three references.

Closing Date:
For best consideration apply by **November 20, 2018**. Applications will be accepted until a suitable candidate is selected.

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